Recreational Use Attainability Analysis

Cover Sheet

Water Body Name:Callahan Creek
Water Body Identification #: 1028
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B - 3 of 3 pages for each site Number of Sites: 12 Data Sheet C (if applicable) Number of Interviews: 0 Photographs Quantities Upstream 12
Other
, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA s true and accurate.
Signed: ACHAllaudo Date: 07/17/2006 Printed Name: Cavolina Gallardo Telephone #: (410) 356-8993 Organization: Telephone Telephone #: Salutost Position: Salutost

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: (from USGS 7.5' quad)	n creek
8-digit HUC: 10300102	Missouri Water Body Identification (WBID) #: 1078
County: BOONL	Wissouri Water Body Identification (WBID) #: 1028
Upstream Legal Description:	
Downstream Legal Description:	
	Rolling Wood SUBP#1
Discharger Permit Number(s): MOR	038792
TTT	t, humid, sunny
1101	1) Morrioe, soring

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # 1028

Date: 07/ 17/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Call a han (reck)

WBID #: 1028

Upstream Coordinates:
(WGS 84, ddd.ddddd) 39.11173, 92.45345

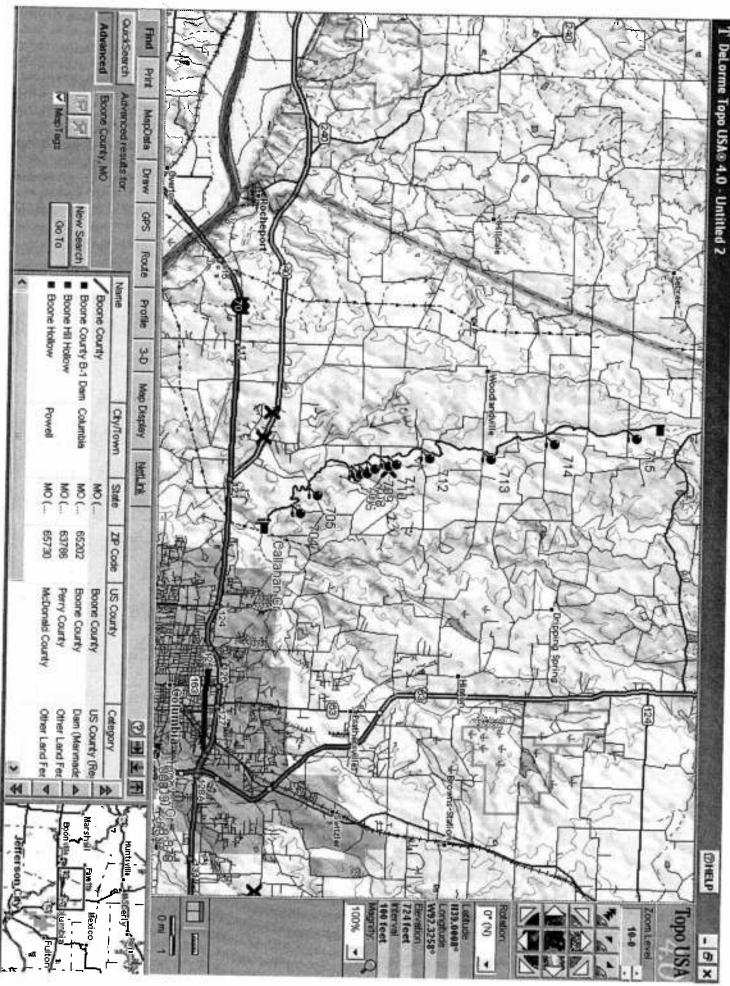
Downstream Coordinates:
(WGS 84, ddd.ddddd) 39.01731, 92.43988

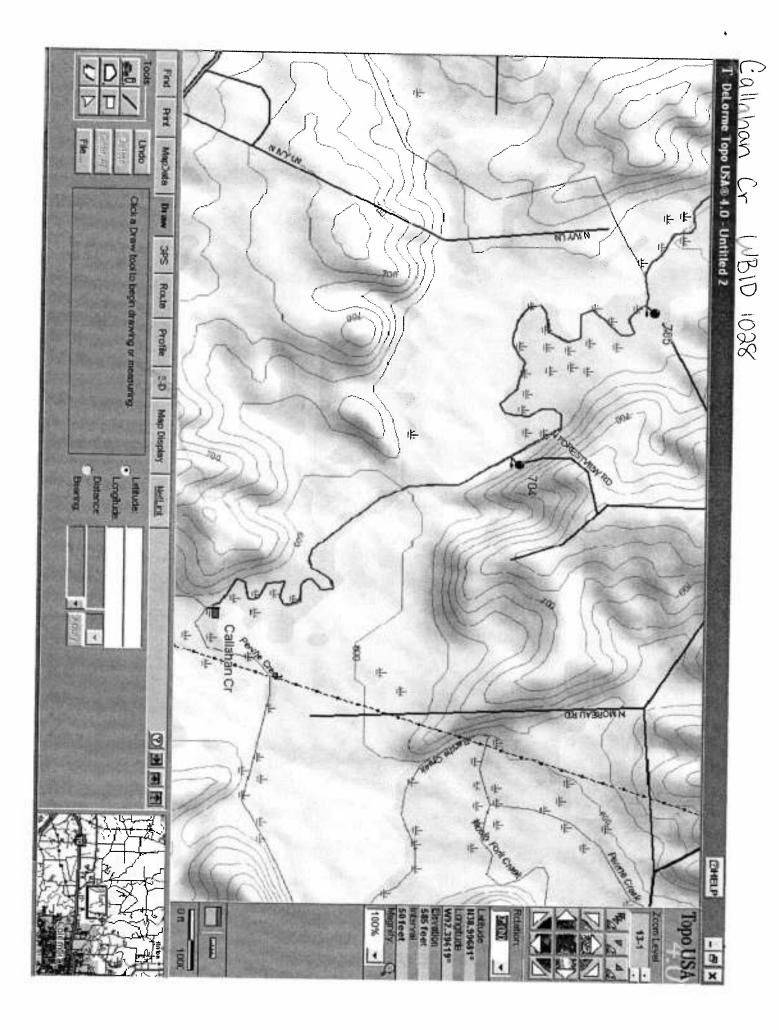
Current Weather Conditions: Hot, sunny, humid

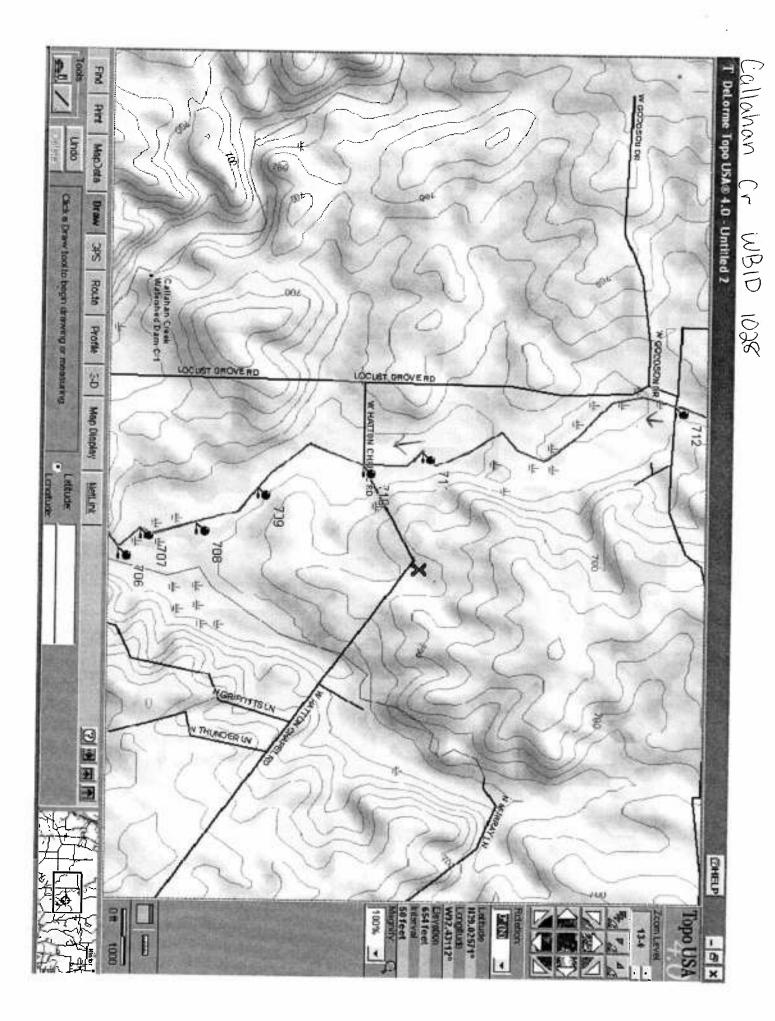
Number of Sites Evaluated: 12

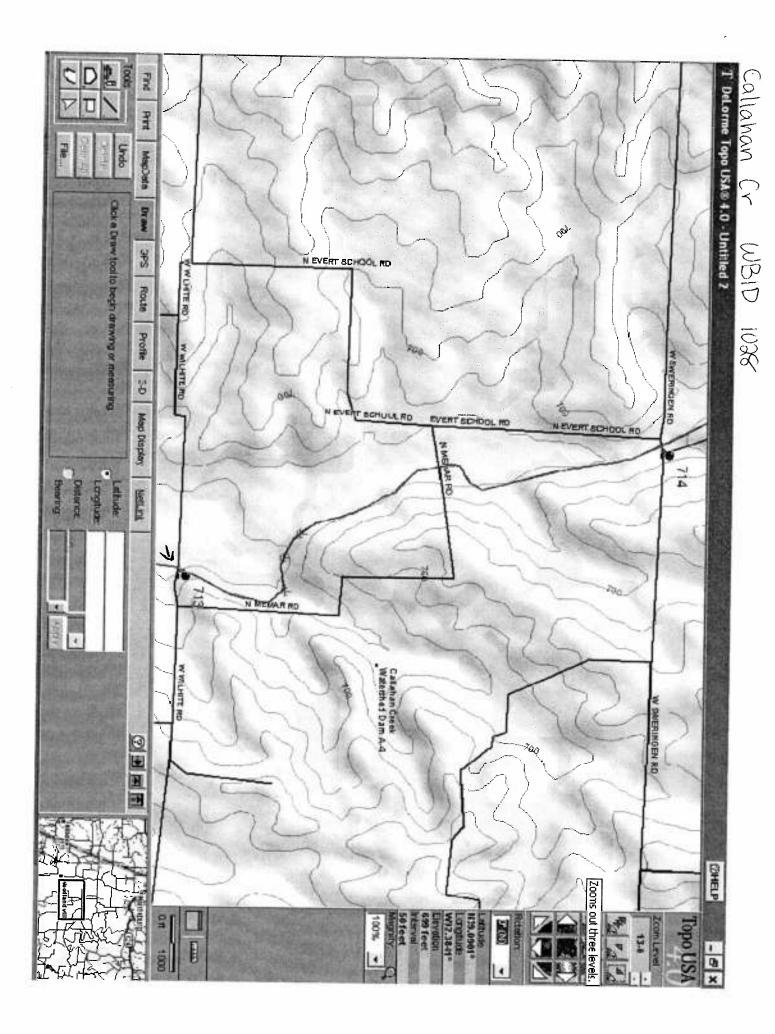
Name(s) of Surveyor(s):

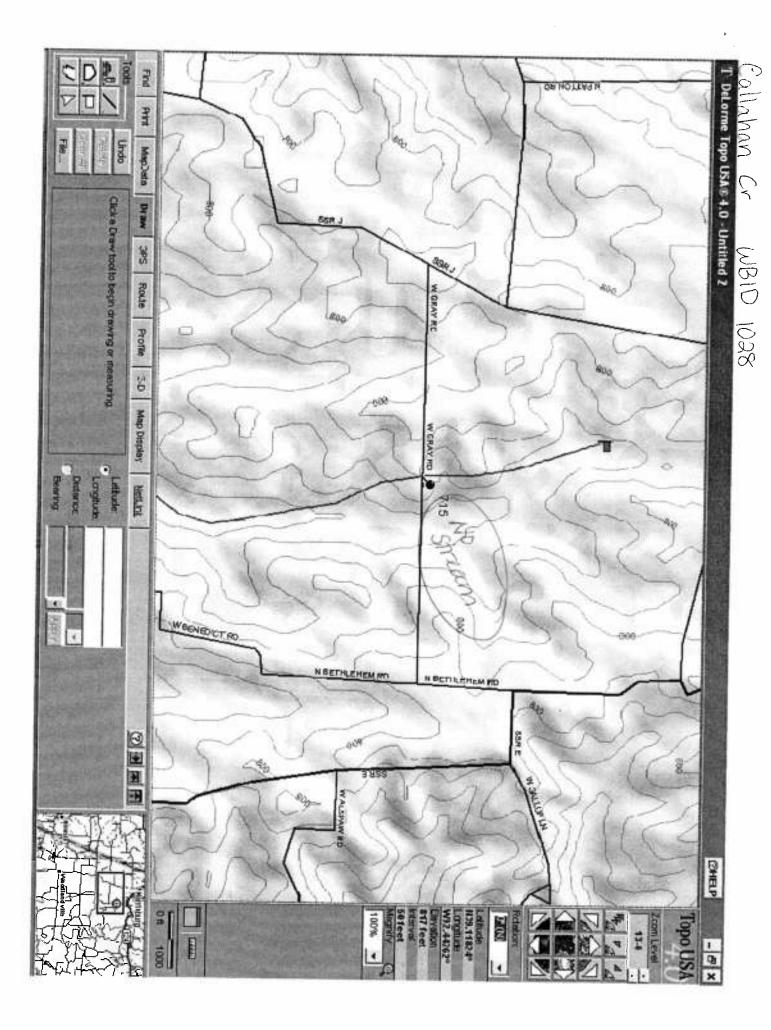
Carolina Gallardo, Alex DeWive











Date: <u>07/17</u> / 2006

Field Data Sheets for Recreational Use Stream Surveys

Latitude (ddd.dddd): Longitude (ddd.dddd): Photo Ids: Upstream:	92.4398		Arrival Time:	05
	32	Downstream: 1130	Other:	
rrative Description	of Location: (De	escribe access point to stream, 1	learby roads land-	
~770 m)5 of Hat	ton Chapel Rd	bridge cross	ing.
rounding Conditions of interest.)	ons*: (Mark all that	promote or impede recreationa	uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Fillds	
nan Uses Observed	l*:		, , , , , , ,	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fighing		☐ Rafting ☐ Other:
cossion (menade nume	er of marviduais recr	reating, frequency of use, photo	e-documentation of evidence	of recreational uses, etc.
ence of Human Us	e*:			
Roads	☐ Foot paths/print	s	☐ Livestock Watering	□ RV / ATV Tracks
Rope swings	☐ Camping Sites	☐ Fire pit/ring	· NPDES Discharge	☐ Fishing Tackle
Other:				
ces of Pollution: (e.	g., trash dumping, tire	es, drainages, discharges, etc.)		

WBID # 1028 Site # 704 Date: 07/17/2006

	View Physical Din Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	
☐ Riffle	point (in)			()	Avg. Depth (III)	Max Depth (n
□ Run						
Pool	765	7	5			
Flow	Present?	X No	Velocity (ft/s	sec).	>1	12_
			velocity (10)s			
Downstrear	n View Physical D	imensions:				
	Distance from access point (m)	Width (m)	Length ((m)	Avg. Depth (m)	Max Depth (m
□ Riffle						Trax Depen (II
□ Run						-5
Pool	780	5.2	ID		0.48	7 3
Flow	Present?	No No	Velocity (ft/se	ec):	0.78	0.6
,			(100			
ostrate*: (T	hese values should add					
% Co	obble % G	ravel	% Sand	% Silt	% Mud/Clay	% Bedro
ıatic Vegeta	tion*: (Note amount	of vegetation or al	-1			
Slight	amounts a	H Clarities	gai growth at the as	sessment si	te.)	
/ 11×1/11		r Frank	J. March	11 X TC >).	
71197.11			V			
	eristics*: (Mark all t	hat apply.)				
er Charact	eristics*: (Mark all t		Chemical	NO.		
e er Charact o	eristics*: (Mark all t Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
e r Charact Odor: Color:	□ Sewage □ Clear	☐ Musky ☐ Green	☐ Gray	Milky	☐ Other:	
****	☐ Sewage ☐ Clear t: ☐ Sludge	☐ Musky ☐ Green ☐ Solids	· · · · · · · · · · · · · · · · · · ·	<u> </u>		

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC: AD

Date: 07/17/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe If so, ple	ersonally used the	is water body for r that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob		ing this water body	lease describe:	
☐ Swimming	☐ Skin diving	□ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
TT	n have you obser More than	rved it being used f 5 times per year	or recreation?	
(G 1 – 5 times Less than 1	per year time per year – pl	ease describe:	

Telephone #:

Date: 07/17/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_
	-
	-

Date: 07/17/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each site)

I atit 1 (111 111)		Sheet B must be complet	ed for each site)	
Latitude (ddd.dddd):	39.01794		Arrival Time:	
Longitude (ddd.dddd): C	12-44000		1450	
Photo Ids: Upstream:		Downstream:	Other:	
112°	8	1129		
Varrative Description (of Location: (De	escribe access point to stream, 1		
~700 m ps	of Hatton	Chapel Rd brid	161 CMSSIM	.)
			age crossing	
urrounding Condition	s*: (Mark all that	promote or impede recreational	uses. Attach photos of evid	ence or unucuol
	I	Γ		onec of unusual
☐ City/county parks	□ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Flas	, and the same of
uman Uses Observed*	•			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	W.	
Describe: (include number	r of individuals reci	reating, frequency of use, photo	o-documentation of evidence	of recreational uses, etc
idence of Human Use*	*:			
☐ Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	D DV/ATVT
	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ RV / ATV Tracks ☐ Fishing Tackle
☐ Other:				rishing rackie
	, trash dumping, tir	es, drainages, discharges, etc.)		
	, trash dumping, tir	es, drainages, discharges, etc.)		

(H: 3)

Market II	in70	10 <i>-</i> -			
	1028 Site# 7 17 / 2006	705			4
Date	(-			
	Dat	a Sheet B - Site Ch	ıaracterization – 2	of 3	
Stream Mor Upstream	View Physical Dir	nensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
Pool	690	6.5	10	71	
Flow	Present? Yes	□ No		not mease	
Dagger	***			rior - Milasi	rable
Downstrea	m View Physical I Distance from	Dimensions:			
	2 istance in this	I			
	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle		Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle ☐ Run		Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Run	access point (m)	Width (m) 5.5	Length (m) 15 Velocity (ft/sec):	Avg. Depth (m)	Max Depth (m)
□ Run Pool Flow Substrate*: (1)	access point (m) 715 Present?	5.5 No d up to 100%.)	Velocity (ft/sec):	0.6	0.7
□ Run Pool Flow Substrate*: (7	access point (m) 715 Present? □ Yes These values should add Cobble /0% G	5.5 No d up to 100%.) iravel 40% S	Velocity (ft/sec): Sand 40 %	0.6 Silt /0 % Mud/Clay	0.7
□ Run Pool Flow Substrate*: (7	access point (m) 715 Present? □ Yes These values should add Cobble /0% G	5.5 No d up to 100%.) iravel 40% S	Velocity (ft/sec): Sand 40 %	0.6 Silt /0 % Mud/Clay	0.7
□ Run Pool Flow Substrate*: (7	access point (m) 715 Present?	5.5 No d up to 100%.) iravel 40% S	Velocity (ft/sec): Sand 40 %	0.6 Silt /0 % Mud/Clay	0.7
Run Pool Flow Substrate*: (1) % () Aquatic Veget N/A	access point (m) 715 Present? □ Yes These values should add Cobble /0% G	No No lup to 100%.) Gravel 40% State of vegetation or algal state of the state of	Velocity (ft/sec): Sand 40 %	0.6 Silt /0 % Mud/Clay	0.7

Fine sediments ☐ Sludge ☐ Solids □ None ☐ Other: Surface Deposit: □ Oil Scum **F**oam □ None ☐ Other:

☐ Gray

Color:

Bottom Deposit:

☐ Clear

 \square Green

None

Milky

☐ Other:

☐ Other:

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WBID #_	1028	_ Site # _	705
Date: <u>07</u>			

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	al

WBID #	<u>028</u> Site	#	705
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Date: 07/17 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews (Make additional copies as necessary for mul-

2. Have you pe	ersonally used the	is water body for r	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	□ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob If so, plea		1 time per year – p	lease describe:	975? □ Yes □ No
☐ Swimming	☐ Skin diving	□ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
(G More than $1-5$ times	rved it being used for times per year per year time per year — pl		
. Additional Co	omments:			

WBID # 1028 Site # 706

Date: 07 / 17 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd):	39.01890		A · 1cm			
Longitude (ddd.dddd)	92 44114		Arrival Time:	7—		
Photo Ids: Upstream		Downstream:	·································	35		
	26		Other:			
11.4	-φ	1127				
arrative Description	of Location: (D)	escribe access point to stream, ne	1			
LEGO M DS	of Hatton	Classell Dd ba	earby roads, landmarks, etc	.)		
	of nother	Chapel Rd bri	age crossing	-		
			<u> </u>			
rrounding Condition	ons*: (Mark all that	promote or impede recreational	uses Attachmbers C			
ms of interest.)		i mpede recreational (uses. Attach photos of evid	ence or unusual		
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway		
				AOther: Fills		
TY 0.			Acomer Delas			
ıman Uses Observed	<u>i*:</u>					
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting		
Hunting	☐ Trapping	☐ Fishing	~			
Describe: (include numb	per of individuals reco	reating, frequency of use, photo-	documentation of evidence	of recreational uses etc		
dana crr w	e*:					
dence of Human Us		ts ☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
dence of Human Us □ Roads	☐ Foot paths/print					
☐ Roads ☐ Rope swings	☐ Foot paths/print☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	Highing Tackla		
□ Roads			☐ NPDES Discharge	☐ Fishing Tackle		
☐ Roads ☐ Rope swings ☐ Other:	☐ Camping Sites	☐ Fire pit/ring	□ NPDES Discharge	☐ Fishing Tackle		
☐ Roads ☐ Rope swings ☐ Other:	☐ Camping Sites		□ NPDES Discharge	☐ Fishing Tackle		

<u> 1028</u> Site#<u>706</u> Date: _07/

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

wa	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
□ Riffle					Jepen (III
□ Run					
Pool	555	3.2	5	0.22	0.3
Flow	Present? Yes	□ No	Velocity (ft/sec):	0.05 m/sec	
Downstrea	Distance from access point (m)	imensions: Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Jownstrea ☐ Riffle	Distance from		Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle	Distance from		Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle	Distance from				Max Depth (m)
	Distance from access point (m)	Width (m)		Avg. Depth (m) 0.37- not mlasu	

Αq	quatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)
	Sai growth at the assessment site i

N/A	avote amount of vegetation or algal growth a	the assessment site.)	

Water Characteristics*: (Mark all that apply.)

Odani	· · · · · · · · · · · · · · · · · · ·	FF-7.7				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray	-/		
Dottom Day			Clay	Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	По			Other.	
		☐ Scum	□ Foam	None	☐ Other:	

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WBID	# <u>1028</u> Site#_	706
Date:	07/17 BOOG	

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	-
	-

Date: 07/17 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

11 30, pic.	asc check ALL	is water body for r that apply:	ecreation since 1975?	□ Yes □ No
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
. Have you obs	erved others usi	1 time per year – p	lease describe:	
ii so, pica	SC CHECK ALL (nat apply:	1	773: 1 1CS 1 NO
☐ Swimming	Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
How often	More than $1-5$ times	ved it being used f 5 times per year per year time per year – pl	for recreation? ease describe:	
Additional Con	mments:			

WBID # 1028 Site # 707

Date: 07/1/17/ 2006

(G Field Date Si

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Longitude (ddd.dddd):	39 01996 92 44187			Arrival Time:			
Photo Ids: Upstream:		Downstream	•	Other:			
117	24		25	Ouler.			
rrative Description	of Location: (De	escribe access	s point to stream n	earby roads, landmarks, etc			
2 450 m	DS of Ho	7Hon C	hapel Rc	bridge cro	ssing		
rrounding Conditions of interest.)	ns*: (Mark all that	promote or in	npede recreational	uses. Attach photos of evid	lence or unusual		
☐ City/county parks	☐ Playgrounds	☐ MDC co	onservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	□ Nationa	l forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Fence ☐ Steep slopes			A Other: Fills		
man Uses Observed	*•			1,000			
☐ Swimming	☐ Skin diving		CUBA diving	☐ Tubing			
☐ Wind surfing	☐ Kayaking	□Во		☐ Wading	☐ Water skiing		
☐ Hunting	☐ Trapping	□ Fie	hina	W.			
ence of Human Use		3, 1, 1		None of the above documentation of evidence	of recreational uses, et		
] Roads	☐ Foot paths/print	s D	ock/platform		T		
Rope swings	☐ Camping Sites		re pit/ring	☐ Livestock Watering	☐ RV / ATV Tracks		
Other:			- hreinig	☐ NPDES Discharge	☐ Fishing Tackle		
			discharges, etc.)				

% Cobble	% Gravel	40 % Sand	40 % Silt	20 % Mud/Clay	% Bedrock
Aquatic Vegetation* · No	ote amount of warnt-t		_		

Water Characteristics*: (Mark all that apply.)

	()	ir that appry.)			
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:
Color:	□ Clear	☐ Green	☐ Gray	Milky	Other:
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments		☐ Other:
Surface Deposit:	□ Oil	☐ Scum	□ Foam	None	
		Scuiii	□ Foam	None	☐ Other:

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OC:AD

WBID #	1028	_ Site #	707
Date: <u>07</u>	1171	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique loca onditions, problems in measuring, site relocation).	ıl

Date: 07/17/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live If so, how	in the area? □ w long have you	Yes □ No lived here?		,
2. Have you pe If so, ple	rsonally used th ase check ALL	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others usi	5 times per year s per year l time per year – p	lease describe:	975? □ Yes □ No
☐ Swimming	se check ALL the Skin diving	nat apply: ☐ SCUBA diving		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
(More than $1-5$ times		for recreation?	
4. Additional Co	mments:			
Contact Informa Name: Address:	tion (if willing t	o provide):		

WBID # 1028 Site # 708

Date: 07/17/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	——————————————————————————————————————	Sheet B must be complete	ed for each site)	
Latitude (ddd.dddd):	39.02156		Arrival Time:	
Longitude (ddd.dddd):	92.44295		14/	\wedge
Photo Ids: Upstream:		Downstream:	Other:	
112		1121	112	2,1123
arrative Description	of Location: (De	escribe access point to stream, n	earby roads landmarks at	,
1270 m DS	of Hatton	Chapel Rd	y saidinario, etc	.,
rrounding Conditions of interest.)	ons*: (Mark all that]	promote or impede recreational	uses. Attach photos of evid	lence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	Dother: Fulds	J Colors Walkway
man Uses Observed	! * •		173 1105	
☐ Swimming	☐ Skin diving			
☐ Wind surfing		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
	☐ Trapping er of individuals recr	☐ Fishing eating, frequency of use, photo-	None of the above	☐ Other:
lence of Human Use				
□ Roads	☐ Foot paths/prints	B ☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
Rope swings Other: TVA5h	Camping Sites (1123)	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
	trash dumping, tire	s, drainages, discharges, etc.)		

a(: A)

WBID # 1028 Site # 708

Date: 07/17/2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length ((m)	Avg. Depth (m)	Max Depth (m
□ Riffle						
□ Run						
Pool	265	4.3	5		0.55	0.7
Flow I	Present?	No	Velocity (ft/s	ec):		0.1
Downstream	View Physical I)imensions:				
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Ď Pool	310	1.7	40		0.3	0.35
X Flow P	resent? Yes	□ No	Velocity (ft/se	ec):	0.13 m/sec	
ostrate*• (The	ese values should add	1 4- 1000/)			0 10 1500	
% Col			Sand 2	% Silt	20 % Mud/Clay	0/5
						% Bedro
	ion*: (Note amoun	of vegetation or alga	l growth at the ass	sessment site	e.)	
NIA						
•						
ter Characte	ristics*• (Mark all	41a a 4 a 1)				
ter Characte	ristics*: (Mark all			m/		
	☐ Sewage	□ Musky □] Chemical	None	☐ Other:	
Odor: Color:	☐ Sewage	☐ Musky ☐ ☐ Green ☐] Gray	Milky	☐ Other:	
Odor:	☐ Sewage ☐ Clear ☐ Sludge	☐ Musky ☐ ☐ Green ☐ ☐ Solids				

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID #_	1028	_ Site # _	708
Date: <u>∂</u> 7	117 /:	200le_	

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique conditions, problems in measuring, site relocation).	local
	

Date: <u>07/17/2006</u>

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live If so, how	in the area? u u long have you	Yes □ No lived here?		
2. Have you pe	rsonally used th	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than Gerved others usi	5 times per year s per year l time per year – p	lease describe:	975? □ Yes □ No
If so, plea ☐ Swimming	se check ALL ()	nat apply:	<u> </u>	773. E 103
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking	☐ Boating	Wading	☐ Rafting
□ Hunning	☐ Trapping	☐ Fishing	☐ None of the above	Other:
How ofter	More than $1-5$ times	rved it being used for times per year per year time per year — pl	for recreation?	
4. Additional Co	mments:			
Contact Information Name: Address:	t ion (if willing t	o provide):		

WBID # 1028 Site # 709

Date: 07 / 17 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization -1 of 3

(A separate Data Sheet B must be completed for each site)

T (1 1 (111 111)	0.0000		-		in site)		
Latitude (ddd.dddd): 3	9.02288		***		Arrival Time:		
Longitude (ddd.dddd):	92.44257				13	55	
Photo Ids: Upstream:	_	Downs	tream:		Other:		
1119	8		1119				
Narrativa Dagariati	CT						
Narrative Description	DI Location: (De	scribe	access point to stream, ne	earby road	s, landmarks, etc.)	
~130 m DS	of Hatto	n (1	hapel Rd 1	oridg	L CVOSSIA	g	
Surrounding Condition	s*: (Mark all that]	promot	e or impede recreational	uses. Atta	ch photos of evide	ence or unusual	
☐ City/county parks	☐ Playgrounds	ΠМ	DC conservation lands	□ Url	oan areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	tate parks		☐ Nat	ure trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence ☐ Steep slopes				XOther: Agfields		
Iuman Uses Observed*	:) 112.0		
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tul	bing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wa	ding	☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	No.			
Describe: (include number	r of individuals reci	reating,	frequency of use, photo-	d 6 cument	ation of evidence	of recreational uses, etc.)	
vidence of Human Use	*:						
	☐ Foot paths/print	ts	☐ Dock/platform	☐ Live	stock Watering	☐ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		ES Discharge	☐ Fishing Tackle	
☐ Other:				·		Toming Tuckie	
ources of Pollution: (e.g.	, trash dumping, tir	es, drai	nages, discharges, etc.)				

Max Depth (m)

Avg. Depth (m)

te: <u>UT/</u>	17"/2006"		
eam Mor _j		Sheet B - Site Cha	aracterization – 2
	View Physical Dime	nsions:	
	Distance from access point (m)	Width (m)	Length (m)
			
☐ Riffle			
☐ Riffle ☐ Run			
	115	78	15

0.57 /sec): not Migsurable Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run N Pool 150 7.7 20 0.79 09 Yes X Flow Present? Velocity (ft/sec): □ No not measurable Substrate*: (These values should add up to 100%.) % Cobble % Gravel 40 % Sand 40 % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) N/A Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage None None ☐ Musky ☐ Chemical ☐ Other: Color: ☐ Clear ☐ Green ☐ Gray **Milky** ☐ Other: Bottom Deposit: ☐ Sludge ☐ Solids Fine sediments □ None ☐ Other: Surface Deposit: □ Oil □ Scum ☐ Foam

None

☐ Other:

OC AD

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WBID	#	1028	<u>}</u>	Site #	709
Date: _	07/	17	12	006	_

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated un conditions, problems in measuring, site relocation).	ique local

Date: <u>07/17 / 2004</u>

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	rsonally used th ase check ALL	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
 Have you obs 		1 time per year – p	lease describe:	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
(G More than G 1 – 5 times G Less than 1	rved it being used f 5 times per year per year time per year – pl		

Date: 07/16/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

		- Silect	B must be complete	o for eac	en site)	
Latitude (ddd.dddd): 39.02452				Arrival Time:		
Longitude (ddd.dddd): 92.44095					1555	,)
Photo Ids: Upstream:		Downst	ream:		Other:	
10.	88	v	1087		1089,	1090
arrative Description	of Locations (D.	*1				
arrative Description	Chapil R	d ba	occess point to stream, no	earby road	s, landmarks, etc	2.)
	or apec Re	1 []Y	OGL CHOSSING	7.		
rrounding Conditio	ns*: (Mark all that :	nromote	or immediance of the			
ms of interest.)	· (· · · · · · · · · · · · · · · · ·	promote	of impede recreational	uses. Attac	ch photos of evid	dence or unusual
☐ City/county parks	☐ Playgrounds	□м	DC conservation lands		oan areas	П.С.
☐ Boating accesses	☐ State parks				ure trails	Campgrounds
☐ No trespass sign			ep slopes		·····	☐ Stairs/walkway
	-1,	I	- <u>r</u>	J St Oth	er: Fllds	
man Uses Observed	*:					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	□ Tul	oing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□Wa		☐ Rafting
☐ Hunting	ng Tranning Fishing		N			
Describe: (include numb	er of individuals recr	reating,	frequency of use, photo-	document	ation of evidence	e of recreational uses, et
_						
dence of Human Use	<u>;</u> *:					
Roads	☐ Foot paths/print	ts	☐ Dock/platform	☐ Live	stock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		ES Discharge	☐ Fishing Tackle
Other: graffit	ti, trash			——————————————————————————————————————		I ishing rackle
	sai 7	1090 es, drain) nages, discharges, etc.)			
Trash (1091			<u>0</u> -,	-		

	Da	ta Sheet B - Site Cl	naracterization – 2	2 of 3	
eam Mor Upstream	phology: View Physical Di			- 310	
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					Depth (m)
□ Run					+
Pool	30	4.5	30	n Z	
Flow	Present? X Yes	□ No	Velocity (ft/sec):	not measur	
□ Riffle	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Pool	30	5.8	26		
	Present?	No No	Velocity (ft/sec):	lover Im	over Im
Flow	T1	d up to 100%.)	and 50 %	Silt 10 % Mud/Cla	y % Bedrock

☐ Solids Fine sediments □ None ☐ Other: Surface Deposit: **⊠**Oil Foam □ None ☐ Other: Downstream *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

☐ Chemical

☐ Gray

□ None

Milky

Other:

☐ Other:

QC: AP

☐ Green

☐ Clear

☐ Sludge

Color:

Bottom Deposit:

WBID # 1028 Site # 710

Date: 07 / 16 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	į.

WBID	#/	028	_ Site #	_710
Date: _	07/	16/	2006	

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews
(Make additional copies as necessary for multiple interviews)

2. Have you pe		i lived here? us water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
, p100	served others us	ing this water body hat apply:	for recreation since 1	975? □ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	horro russ st	wed it being used f		
How ofter	More than $1-5$ times	5 times per year per year	or recreation? ease describe:	
0	More than $1 - 5 \text{ times}$ Less than 1	5 times per year per year		
C	More than $1 - 5 \text{ times}$ Less than 1	5 times per year per year		

WBID # 1028 Site # 711

Date: 07/16/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Photo Ids: Upstream	92.4412	Downstream:		1625
	191	_	Other:	
1	<u> </u>	1092		
rrative Description	of Location: (De	escribe access point to stream, n		
2200 m	US from t	tation Chapel Ro	Build a same	0.00
	,	To proceed the	· Driage Cross	3179.
rrounding Conditions of interest)	ons*: (Mark all that	promote or impede recreational	uses. Attach photos of evid	lence or unusual
☐ City/county parks	☐ Playgrounds			
☐ Boating accesses		☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ No trespass sign	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
— 110 trespass sign	☐ Fence	☐ Steep slopes	Stother: Fills	
man Uses Observe	<u>1*:</u>			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	□ Ei-Li.	V	Rafting
Describe: (include numl	per of individuals reci	reating, frequency of use, photo-	documentation of evidence	Of recreational uses, etc.
				a second disco, etc
lence of Human Us	Δ*•			
lence of Human Us ☑ Roads	T			□ RV / ATV Tracks
☐ Roads	☐ Foot paths/print	- F	☐ Livestock Watering	KV/AIV ITacks
□ Roads □ Rope swings	T	s □ Dock/platform □ Fire pit/ring	☐ Livestock Watering ☐ NPDES Discharge	☐ Fishing Tackle
☐ Roads	☐ Foot paths/print	- F		

QC: AD

WBID# 1028 Site# 711

Date: <u>07 / 16 / 2006</u>

Data Sheet B - Site Characterization - 2 of 3

	View Physical Dir Distance from access point (m)	Width (m	1) Length	(m)	Avg Donath ()	T
□ Riffle	point (m)	· ·	,	——————————————————————————————————————	Avg. Depth (m)	Max Depth (m
□ Run						
Pool	215	4.5	15		0.8	
Flow	Present? Yes	□ No	Velocity (ft/			>1
			- Stooley (D	sec).	0.05 m/sec	-
Downstream	View Physical I	imensions:				
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Pool	185	5.1	15		A 7	* O
Flow	Present?	X No	Velocity (ft/s		0.7	0.9
		/	· clocity (103)			
ostrate*: (Th	ese values should add	up to 100%.)				
% Co	bble 5 % G	ravel 70) % Sand	20 % Silt	5 % Mud/Clay	% Bedroo
uatic Vegeta	tion*• (Notes and					70 Bedio
N/A	tion*: (Note amount	of vegetation or a	algal growth at the ass	sessment site	.)	
/ N / / N						
N/A						
"/ K						
•	ristics*• (Mark all t	hot o1)				
•	ristics*: (Mark all t					
t er Characte Odor:	☐ Sewage	□ Musky	□ Chemical	None	□ Other:	
ter Characte Odor: Color:	☐ Sewage ☐ Clear	☐ Musky ☐ Green	□ Gray	None Milky	☐ Other:	
ter Characte	☐ Sewage ☐ Clear ☐ Sludge	□ Musky				

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QC: AD

WBID #_	1028	_ Site # _	711	
Date: <u>07</u>				_

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_
	_
	_

WBID # 1028 Site # 711

Date: 67/16/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	w long have you	lived here?is water body for r	ecreation since 1975?	□ Yes □ No		
☐ Swimming	□ Swimming □ Skin diving □ SCUDA #:: □ □ □					
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Water skiing		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:		
3. Have you obs	served others us	1 time per year – p	lease describe:			
Swimming □ Swimming	se check ALL the Skin diving	nat apply:				
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving	□ Tubing	☐ Water skiing		
☐ Hunting	☐ Trapping	☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:		
(More than $1 - 5 \text{ times}$ G Less than 1	rved it being used to stimes per year per year time per year pl				
Contact Informa	t ion (if willing to	o provide):				

WBID # 1028 Site # 712

Date: 07/16/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

		Sheet B must be complete	ed for each site)	
Latitude (ddd.dddd): 5 Longitude (ddd.dddd):	39.03918 92.44698		Arrival Time:)
Photo Ids: Upstream:	1075	Downstream: 1074	Other: 1076 107	1086
Narrative Description	of Location: (Des	scribe access point to stream, n	earby roads landl	`
at O-B-Bro Bell	wn Rd Bn	dge crossing.	carby roads, fandmarks, etc.)
urrounding Condition	ns*: (Mark all that p	romote or impede recreational	uses. Attach photos of evide	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	Fence (1075)	☐ Steep slopes	Other: pond adjo	
ıman Uses Observed	*•		13.6.01/16	(1086)
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	No.	
idence of Human Use		eating, frequency of use, photo-	of evidence	oi recreational uses, etc.
□ Roads	☐ Foot paths/prints	□ Dock/platform	Timetal W	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ Livestock Watering	□ RV / ATV Tracks
Other: Trash, (1077) rces of Pollution:	run off d	itch (possibly fre	NPDES Discharge	Fishing Tackle
		s, drainages, discharges, etc.) ff ClifCh (P055)	bly from pand,).(1076)

	1028 Site# 7 14 / 2004	<u>-1</u>			4
		a Sheet B - Site Cha	aracterization – 2	of 3	
Stream Mor Upstream					
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Riffle					
Run					
Pool	25	3	25	0.2	0.3
Flow	Present?	No	Velocity (ft/sec):		
Downstrea	nm View Physical D	imensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
Run					
□ Pool	30	6.5	20	0.7	0.9
Not mi	Present? Yes	□ No	Velocity (ft/sec):		
Flow	Tresent: Arcs		velocity (masec):	().1)5 m/<0/	•
ubstrate*: (These values should add	up to 100%.)		0.05 m/sec	-
ubstrate*: (l up to 100%.)			
ubstrate*: (These values should add	up to 100%.)	and 20% S	Silt 10 % Mud/Clay	
ubstrate*: (These values should add	l up to 100%.) ravel 60% Sa	and 20% S	Silt 10 % Mud/Clay	
quatic Veger	These values should add	ravel 60%.) rof vegetation or algal gr	and 20% S	Silt 10 % Mud/Clay	

Odor:	☐ Sewage	□ Moseles		×	<u> </u>	
<u> </u>	Bewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments		☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	□ Foam	None		
	· · · · · · · · · · · · · · · · · · ·			Avoile	☐ Other:	

Q(:A)

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

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7	
J	

WBID # 1028 Site # 712

Date: 07/16 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_

WBID #	1028	_Site#	712
		A	

Date: 67/ 16 / 2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews
(Make additional copies as necessary for much

1. Do you live If so, how	in the area? □		sary for multiple inter	views)		
2. Have you pe	rsonally used th	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No		
☐ Swimming	☐ Skin diving ☐ SCUBA diving ☐ T		☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:		
	How often do you use it for recreation? G More than 5 times per year G 1-5 times per year C Less than 1 time per year – please describe:					
11 30, pica	served others using the check ALL to	ng this water body hat apply:	for recreation since 1	975? □ Yes □ No		
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:		
How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:						
4. Additional Co	mments:					
Contact Informat Name: Address:	t ion (if willing to	o provide):				

WBID # 1028 Site # 713 Date: 07/16/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): Longitude (ddd.dddd)	: 92.44657	•	Arrival Time:	10	
Photo Ids: Upstream		Downstream:	1446		
<u> </u>	72	1073	Other:		
arrative Description	n of Location: (De	scribe access point to stream, ne			
at Whithan	m-Rd. bridg	L CNOSSING.	earby roads, landmarks, etc	.)	
rrounding Conditions of interest.)	ons*: (Mark all that p	promote or impede recreational	uses. Attach photos of evid	ence or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Fills		
man Uses Observe	d*:		1'447		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	□ W1′′	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing	
☐ Hunting	☐ Trapping	☐ Fishing	V	☐ Rafting ☐ Other:	
deņce of Human Us		eating, frequency of use, photo-	documentation of evidence	of recreational uses, et	
Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
Other:			1 Discharge	Trishing rackle	
	· · · · · · · · · · · · · · · · · · ·				

WBID# 1028 Site# 713

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: **Upstream View Physical Dimensions:** Distance from

	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					F ()
□ Run					
Pool	35	55	30	OVER 1.0	OVER I D.
Flow	Present?	No	Velocity (ft/sec):		1.0

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					- Spin (iii)
□ Run					
Pool	35	5.8	40	0.3	15
Flow	Present?	No	Velocity (ft/sec):	0.5	0.5

Su	bstrate*	: (These va	alues	should	add u	p to	100%.)

P 5	25 % Gravel 4535 % Sand	10 % Silt 5	% Mud/Clay	% Bedrock
unatia Varatatian tua	CG			1

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

. (Note amount of vegetation or algal growth at the assessment of
Moderate amounts of a Hached algae.
MOUCHE, applicates of a Harland whole
is a supply of a partial and a supply of a partial and a supply of a partial and a supply of a supply

Water Characteristics*: (Mark all that apply.)

0.1		11-2-7				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	Clear				Other.	
	Cicai	□ Green	LI Gray	□ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solide	10 E			
~ ~ =		- Bonds	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	□ Foom	7		
<u> </u>			L I Uaiii	None	☐ Other:	
Bottom Deposit: Surface Deposit:	Clear Sludge	☐ Green ☐ Solids ☐ Scum	☐ Gray Fine sediments ☐ Foam	☐ Milky ☐ None None	☐ Other: ☐ Other: ☐ Other:	

QC: AO

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	1028	Site #	713
Date:		110 1		

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique l conditions, problems in measuring, site relocation).	local

WBID	#	1028	<u> </u>	_ Site # _	713
Date:	071	16	_/_	2006	

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live: If so, how		Yes 🗆 No	sary for multiple inter	views)
2. Have you per If so, plea	rsonally used th	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
3. Have you obs	G 1 – 5 times G Less than ————————————————————————————————————	5 times per year s per year 1 time per year – pi	lease describe:	975? □ Yes □ No
☐ Swimming	se check ALL ti	nat apply:		
☐ Wind surfing	☐ Skin diving ☐ Kayaking	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Rayaking ☐ Trapping	☐ Boating	□ Wading	☐ Rafting
	C Trapping	☐ Fishing	☐ None of the above	Other:
G G	More than $1 - 5 \text{ times}$ Less than 1	ved it being used f 5 times per year per year time per year – ple		
4. Additional Co	mments:			
Contact Informat Name:	ion (if willing to	o provide):		

Address:

Telephone #:

WBID# 1028 Site# 714

Date: 07/14/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

Longitude (ddd.dddd):	92.45376		Arrival Time:	7
Photo Ids: Upstream:		Downstream:	1415	
100		1067	Other:	
		1007	1068, 107	0
rrative Description	of Location: (De	escribe access point to stream, n	earby roads landt	`
at swering.	en Rd brid	ge crossing.	carby roads, landmarks, etc)
)		ge crossing.		
rrounding Conditions of interest.)	ns*: (Mark all that	promote or impede recreational	uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	MOWED OTHER	
man Uses Observed	1*.		17. 10114	10(44) (1062)
☐ Swimming				
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
Describe: (include numb	☐ Trapping	☐ Fishing reating, frequency of use, photo	None of the above	☐ Other:
				deces, etc
dence of Human Us	☐ Foot paths/prin	s Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
ÆRoads □ Rope swings	☐ Camping Sites			Tishing Tackle
⊠Roads □ Rope swings				
© Roads □ Rope swings Ø Other: Hay 410	ng banks (

ate: <u>07/</u>	1028 Site #	<u> </u>			4
	Dat	ta Sheet B - Site Ch	aracterization – 2	of 3	
ream Mor Upstream	phology: View Physical Dir	nensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Riffle					
Run					
					
Pool	5	2.5	15	0.29	0.35
Pool		2.5 No	Velocity (ft/sec):	0.29	0.35
Flow	Present?	No	L	0.29	0.35
Flow		No	L	O.29 Avg. Depth (m)	
Flow	Present?	No No Dimensions:	Velocity (ft/sec):		0.35 Max Depth (m)
Flow Downstrea	Present?	No No Dimensions:	Velocity (ft/sec):		
Flow Downstrea Riffle	Present?	No No Dimensions:	Velocity (ft/sec): Length (m)	Avg. Depth (m)	Max Depth (m)
Flow Downstre: Riffle Run	Present?	No Dimensions: Width (m)	Velocity (ft/sec): Length (m)	Avg. Depth (m)	Max Depth (m)
Flow Pool Flow	Present?	No Dimensions: Width (m) 3	Velocity (ft/sec): Length (m)		Max Depth (m)
Flow Pool Flow Strate*: (Present?	No Dimensions: Width (m) 3 I No d up to 100%.)	Velocity (ft/sec): Length (m) 15 Velocity (ft/sec):	Avg. Depth (m) 0.37 not measural	Max Depth (m) 0.5

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	Clear	☐ Green	☐ Gray	- 		
Pottom D			Glay	□ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	П 0.1				U Other.	
	□ Oil	☐ Scum	☐ Foam	None	☐ Other:	

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WBID	#	028		Site #	 714
Date: _	07/	16	/	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID	#	028	Site	#	714
_	A-7		_		

Date: 07/16/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	rsonally used th	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
Have you obs	G 1-5 time G Less than served others us	1 time per year – p	lease describe:	
11 so, piea	se check ALL t	hat apply:		
Swimming	Cleim dinning			
☐ Swimming ☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Swimming ☐ Wind surfing ☐ Hunting	☐ Skin diving ☐ Kayaking ☐ Trapping	☐ SCUBA diving ☐ Boating ☐ Fishing	☐ Tubing ☐ Wading ☐ None of the above	☐ Water skiing ☐ Rafting ☐ Other:
☐ Wind surfing ☐ Hunting How ofter	☐ Kayaking ☐ Trapping I have you obsert More than ☐ 1 − 5 times	☐ Boating ☐ Fishing rved it being used for times per year per year	☐ Wading ☐ None of the above	☐ Rafting
☐ Wind surfing ☐ Hunting How ofter	☐ Kayaking ☐ Trapping I have you obserted ☐ More than ☐ 1 - 5 times ☐ Less than 1	☐ Boating ☐ Fishing rved it being used for times per year per year	☐ Wading ☐ None of the above or recreation?	☐ Rafting

WBID # 1028 Site # 715

Date: <u>07/16/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

/ L Chartuda (JJJ JJ t)	39.11173		Arrival Time:		
Longitude (ddd.dddd):			1330		
Photo Ids: Upstream:		Downstream:	Other:		
10	65	1064			
rrative Description	of Location: (De	scribe access point to stream, ne	earby roads, landmarks, etc.)	
at Gray Ra.	bridge cro	551 ng.)	
rrounding Conditions of interest.)	ons*: (Mark all that	promote or impede recreational	uses. Attach photos of evid	ence or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Tild		
man Uses Observed	<u>l*:</u>				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	W		
		reating, frequency of use, photo-	documentation of evidence	or recreational uses, etc	
dence of Human Use	e*:				
	e*: ☐ Foot paths/print	s	☐ Livestock Watering	DV/ATVT	
dence of Human Use		- Completionin	☐ Livestock Watering	□ RV / ATV Tracks	
dence of Human Uso ✓ Roads	☐ Foot paths/print	s □ Dock/platform □ Fire pit/ring	☐ Livestock Watering ☐ NPDES Discharge	☐ RV / ATV Tracks ☐ Fishing Tackle	

QC: AD

WBID #	1028 Site # 71	5			4
Date:	16/2006				
	Data	Sheet B - Site Ch	naracterization – 2 o	of 3	
Stream Morj Upstream	phology: View Physical Dim	ensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					_ open (m)
□ Run					
Pool	22	1.4	12	0.3	1 2-
Flow	Present?	ÌX No	Velocity (ft/sec):	0.0	0.35
	Distance from access point (m)	imensions: Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Riffle					
Run		-			
Pool	15	3.1	15	0.25	0.4
□ Flow	Present?	X No	Velocity (ft/sec):		
Substrate*: (7	These values should add	un to 100%)			
% (Cobble 20 % Gr	20 % S			% Bedrock
Aquatic Veget	ation*: (Note amount	of vegetation or algal	growth at the assessment	site.)	
N/A				one.)	
Water Charac	teristics*: (Mark all th	eat annly)			
Odor:	Sewage		Chamical Car		

☐ Sewage ☐ Musky ☐ Chemical None None ☐ Other: Color: ☐ Clear ☐ Green ☐ Gray Milky ☐ Other: Bottom Deposit: ☐ Sludge Fine sediments ☐ Solids \square None ☐ Other: Surface Deposit: □ Oil □ Scum ☐ Foam None ☐ Other:

QC: AD

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WBID	#	1028	 Site #	715
Date:				

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local onditions, problems in measuring, site relocation).	
	•

WBID # 1028 Site # 715

Date: 07/16/2006

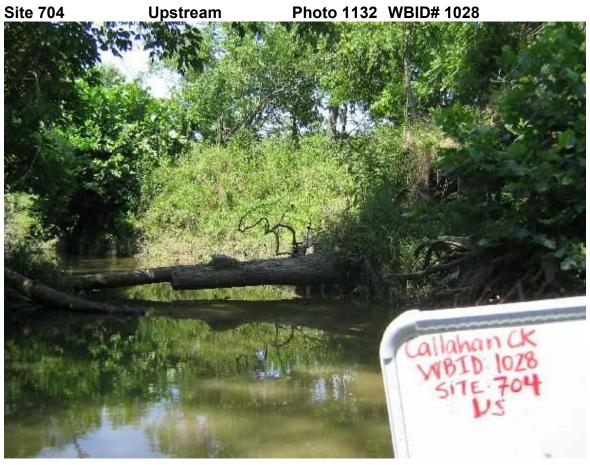
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional conies as necessary for

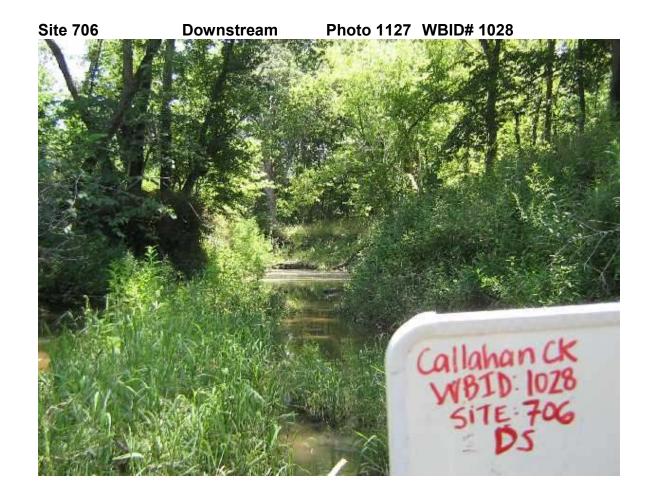
If so, how		lived here?	ecreation since 1975?	□ Yes □ No
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	□ Woten d.::
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing ☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
3. Have you obs	G 1 – 5 time G Less than ————————————————————————————————————	1 time per year – p	lease describe:	975? □ Yes □ No
If so, plea ☐ Swimming	ISE CHECK ALL U	nat apply:		1 100
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking ☐ Trapping	☐ Boating	□ Wading	☐ Rafting
		☐ Fishing	☐ None of the above	Other:
(More than $1-5$ times	rved it being used f 5 times per year per year time per year – pl		
4. Additional Co	mments:			
Contact Informati Name: Address: Telephone #:	tion (if willing to	o provide):		







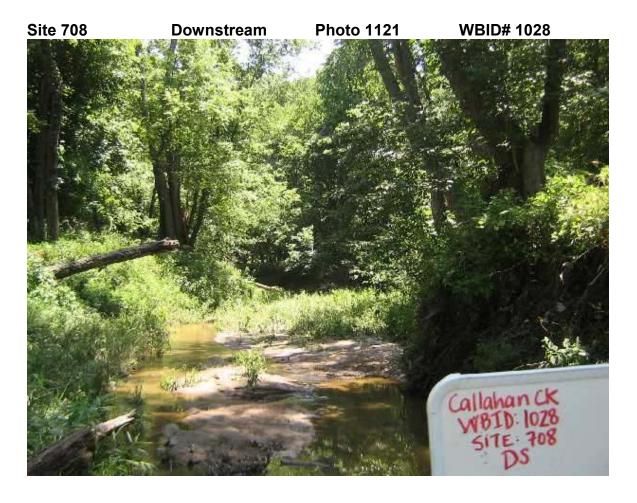




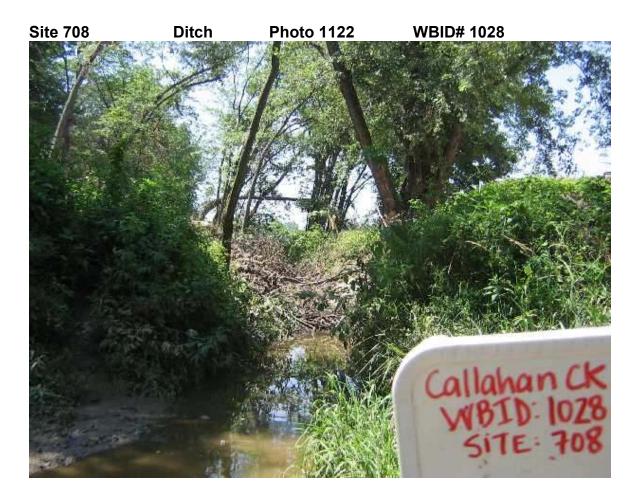








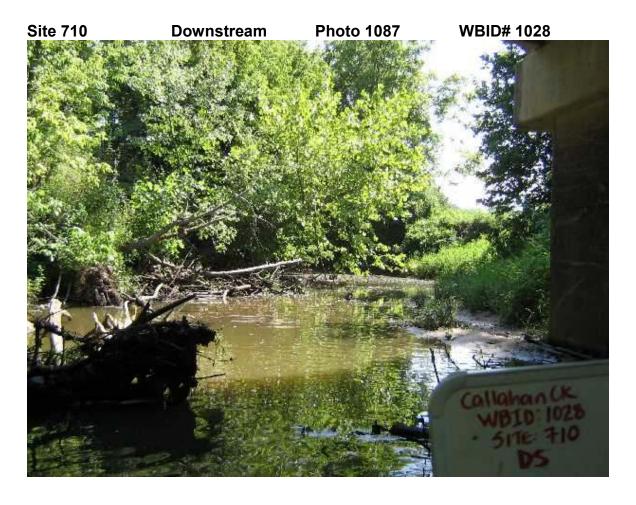


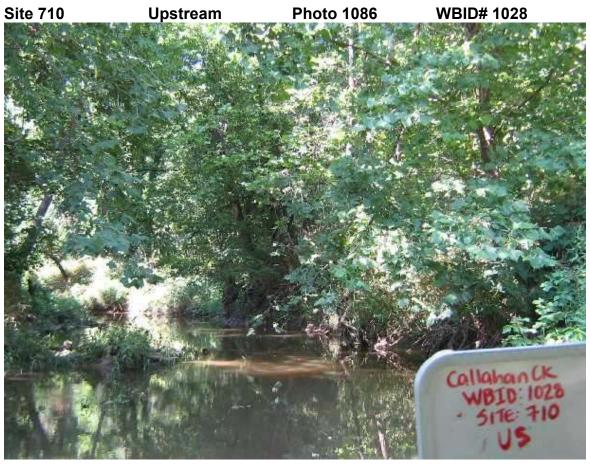


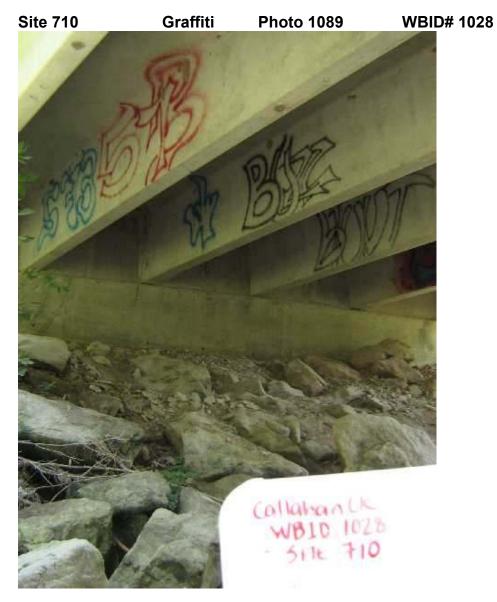




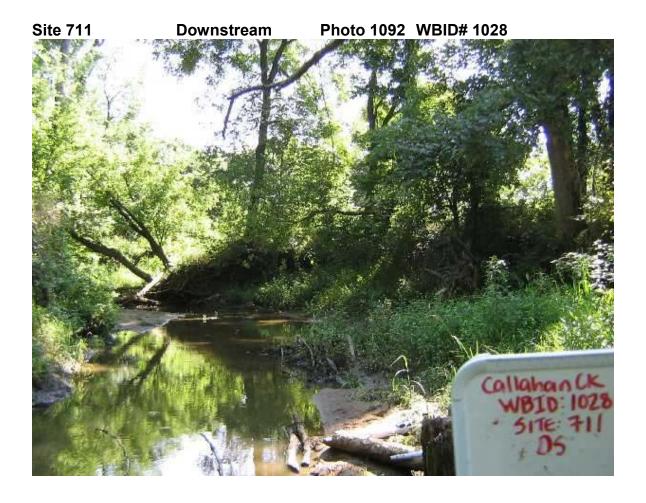


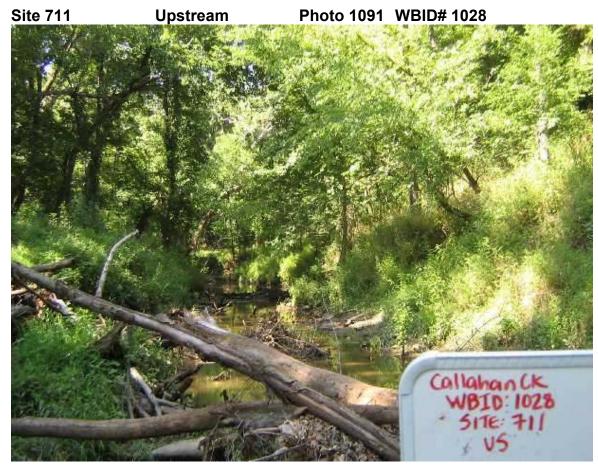






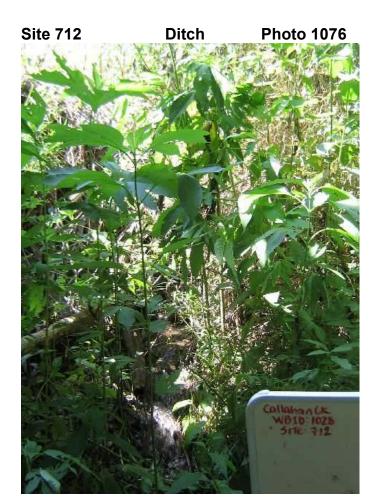














WBID# 1028







